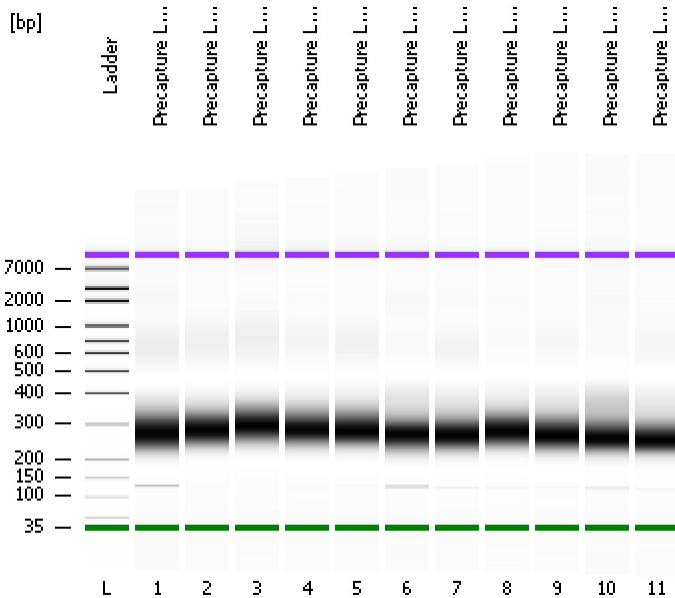


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
Modified: 6/20/2014 11:12:03 AM

Electrophoresis File Run Summary



Instrument Information:

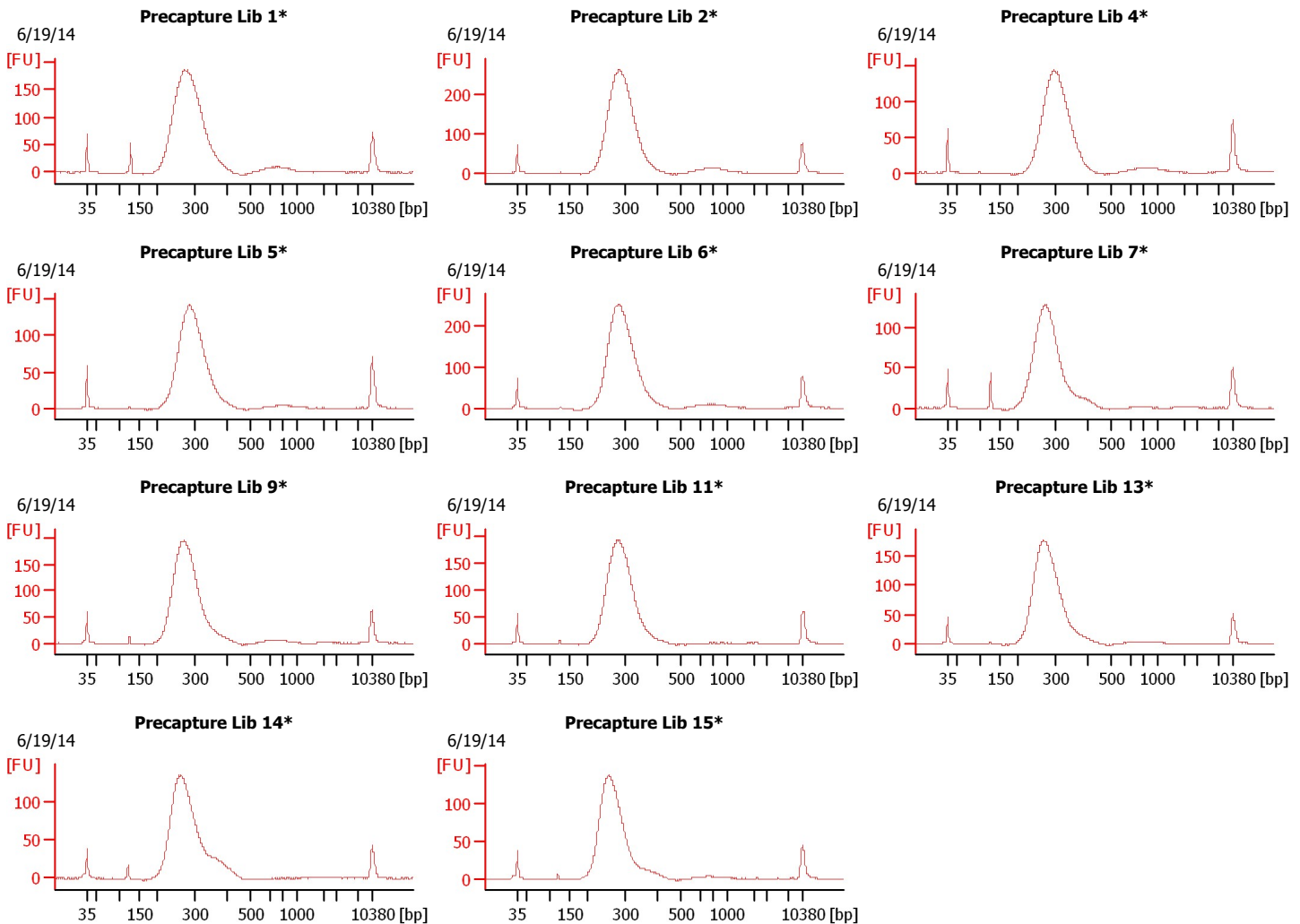
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #: Reagent Kit Lot #: Chip Comments:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Precapture Lib 1*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 2*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 4*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 5*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 6*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 7*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 9*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 11*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 13*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 14*	6/19/14	<input type="checkbox"/>	✓			
Precapture Lib 15*	6/19/14	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
Modified: 6/20/2014 11:12:03 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

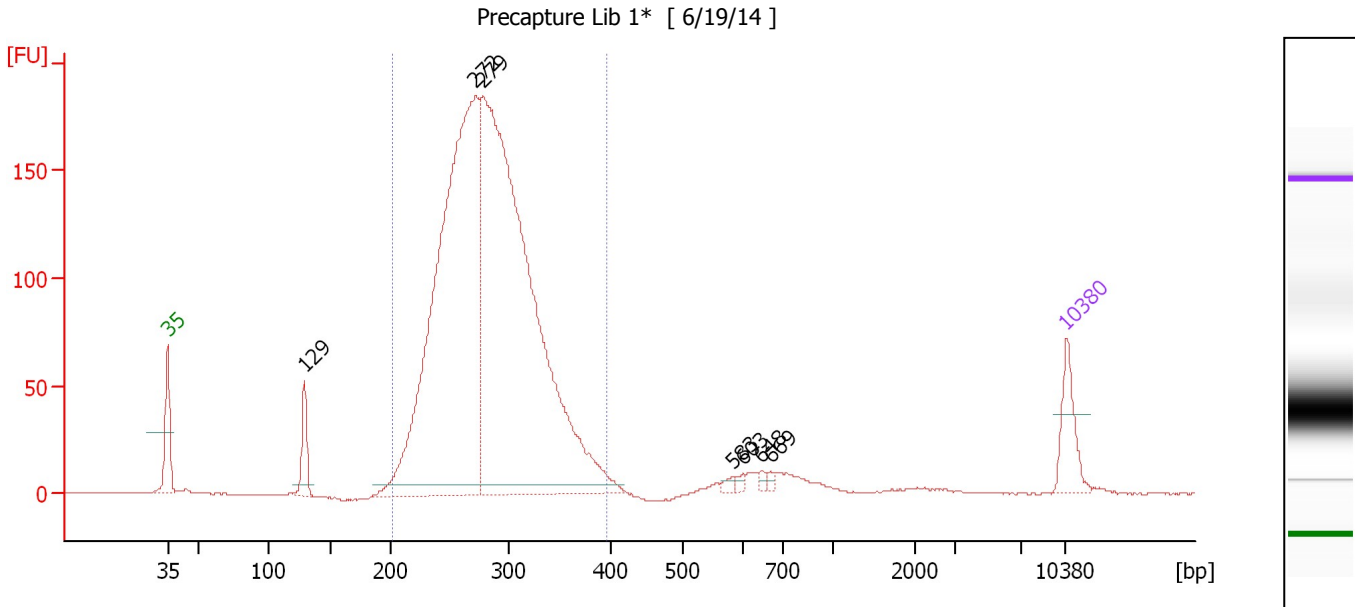
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary



Overall Results for sample 1 : Precapture Lib 1*

Number of peaks found: 7 Corr. Area 1: 2,320.3
 Noise: 0.2

Peak table for sample 1 : Precapture Lib 1*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	129	95.85	1,122.5	
3	272	1,822.47	10,143.8	
4	279	2,187.05	11,866.3	
5	583	10.28	26.7	
6	603	9.17	23.1	
7	648	8.57	20.0	
8	669	9.74	22.1	
9	10,380	75.00	10.9	Upper Marker

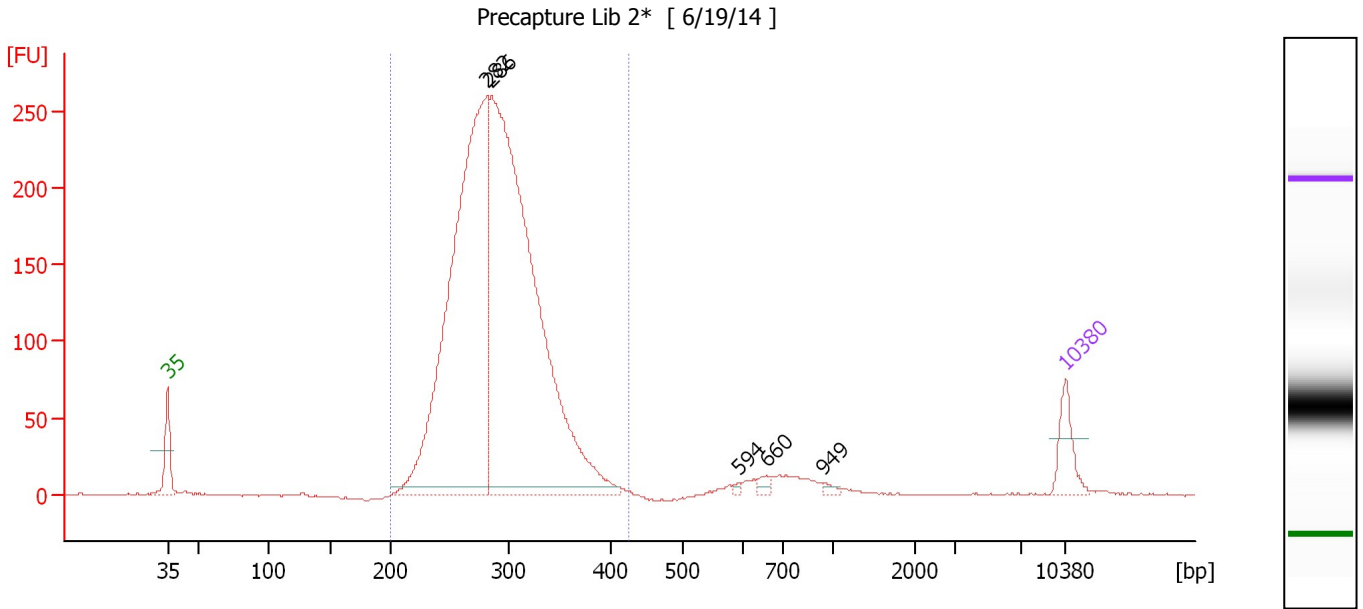
Region table for sample 1 : Precapture Lib 1*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
203	397	284	21,011.8	3,879.47	2,320.3	94	13.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Precapture Lib 2*

Number of peaks found: 5 Corr. Area 1: 2,903.8
 Noise: 0.5

Peak table for sample 2 : Precapture Lib 2*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	282	2,017.25	10,843.6	
3	286	2,445.41	12,959.2	
4	594	6.57	16.8	
5	660	17.56	40.3	
6	949	10.35	16.5	
7	10,380	75.00	10.9	Upper Marker

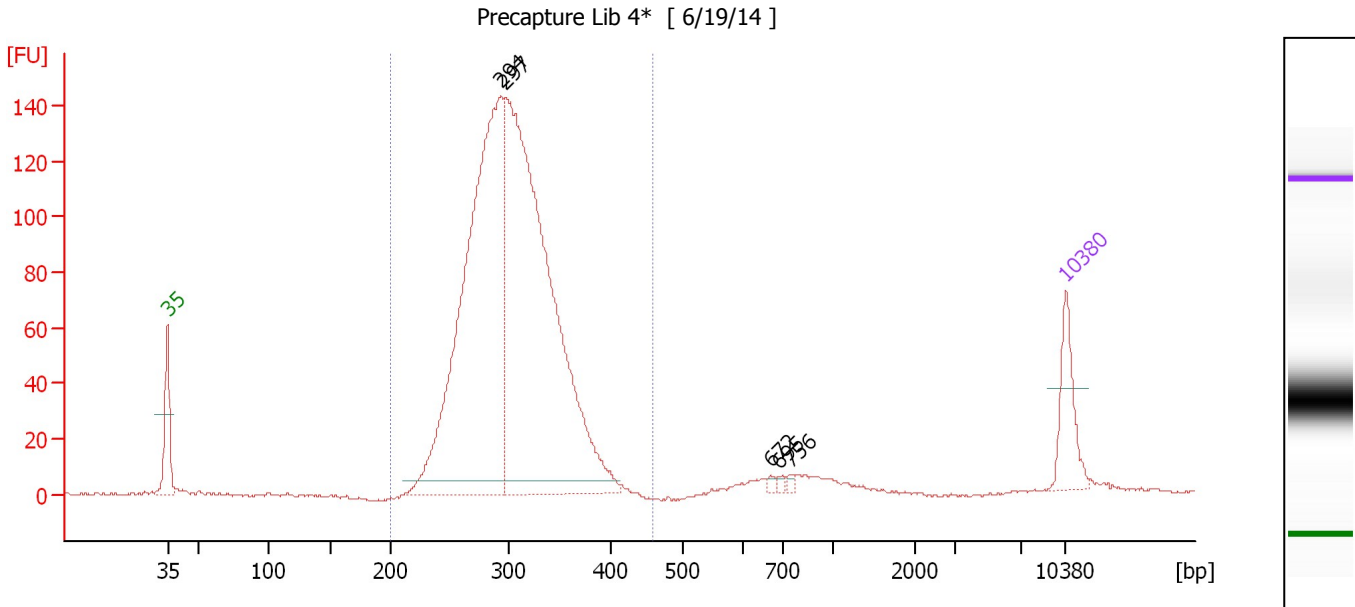
Region table for sample 2 : Precapture Lib 2*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	426	292	23,316.1	4,424.56	2,903.8	96	11.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Precapture Lib 4*

Number of peaks found: 5 Corr. Area 1: 1,601.5
 Noise: 0.6

Peak table for sample 3 : Precapture Lib 4*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	294	1,201.97	6,200.6	
3	297	1,397.54	7,122.6	
4	672	6.26	14.1	
5	695	5.70	12.4	
6	756	5.57	11.2	
7	10,380	75.00	10.9	Upper Marker

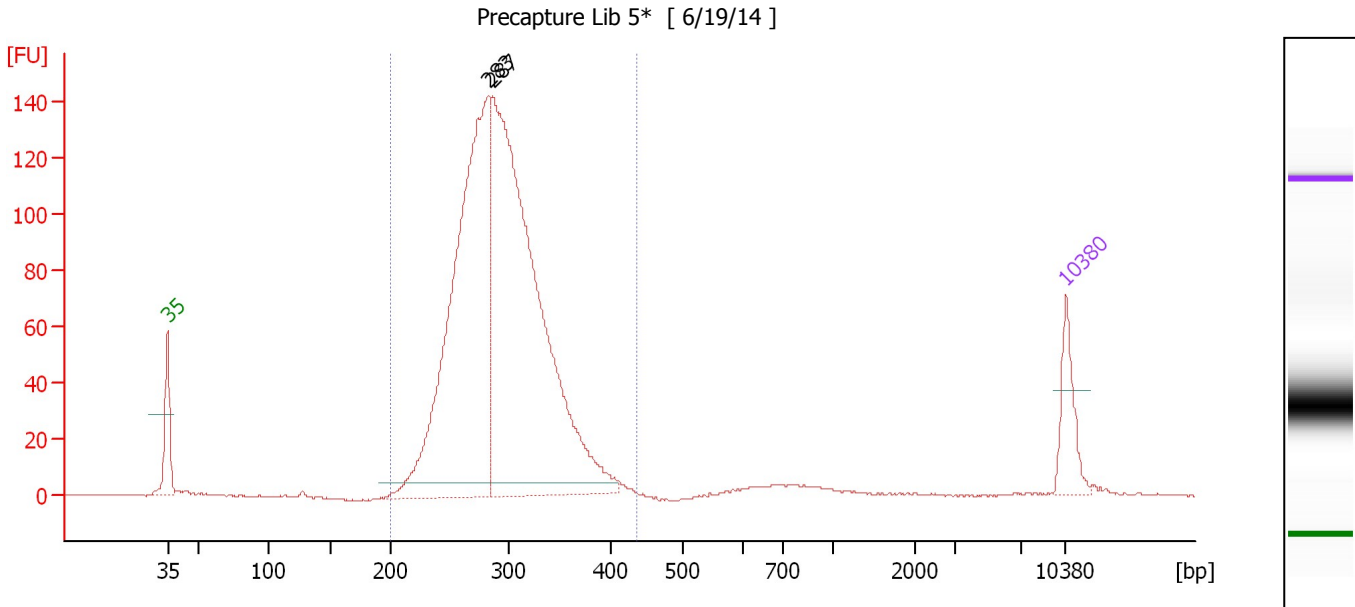
Region table for sample 3 : Precapture Lib 4*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	459	304	13,036.1	2,576.38	1,601.5	93	11.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Precapture Lib 5*

Number of peaks found: 2 Corr. Area 1: 1,560.2
 Noise: 0.4

Peak table for sample 4 : Precapture Lib 5*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	283	1,245.76	6,670.2	
3	287	1,552.81	8,194.1	
4	10,380	75.00	10.9	Upper Marker

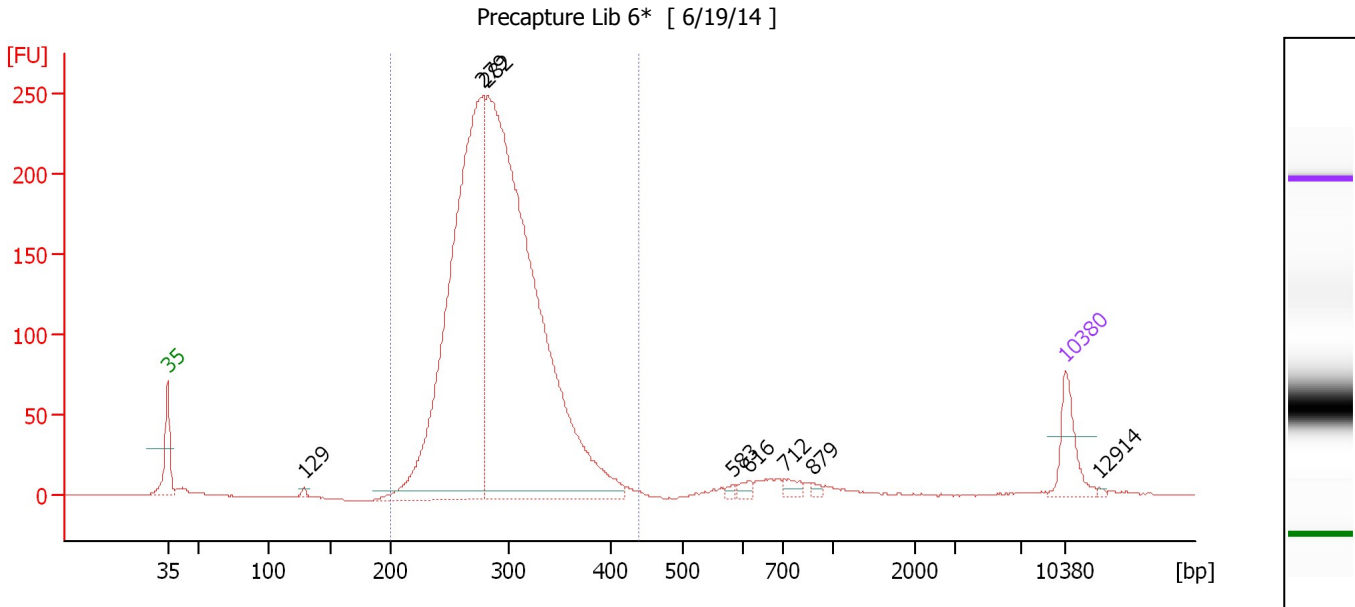
Region table for sample 4 : Precapture Lib 5*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	436	295	14,378.5	2,752.22	1,560.2	98	12.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Precapture Lib 6*

Number of peaks found: 8 Corr. Area 1: 2,762.8
 Noise: 0.2

Peak table for sample 5 : Precapture Lib 6*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	129	8.29	97.7	
3	279	1,594.81	8,654.2	
4	282	2,294.14	12,309.9	
5	583	7.71	20.1	
6	616	14.55	35.8	
7	712	20.23	43.0	
8	879	8.44	14.6	
9	10,380	75.00	10.9	Upper Marker
10	12,914	0.00	0.0	

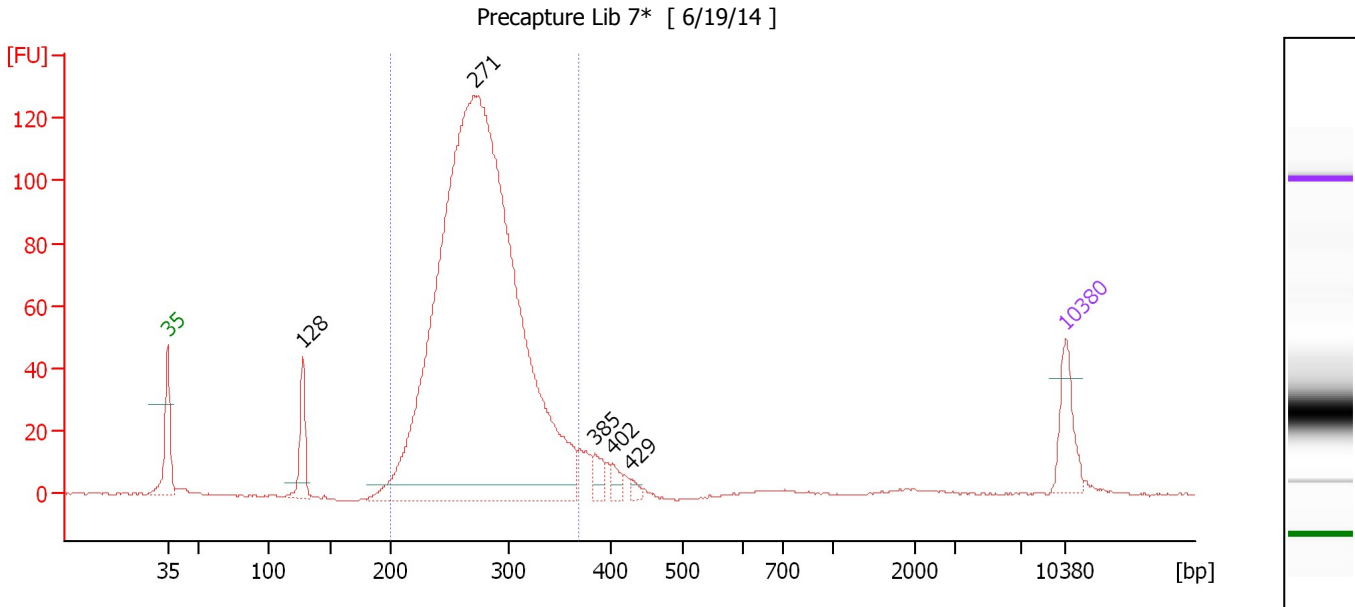
Region table for sample 5 : Precapture Lib 6*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	438	293	19,529.1	3,715.68	2,762.8	96	12.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Precapture Lib 7*

Number of peaks found: 5 Corr. Area 1: 1,352.2
 Noise: 0.3

Peak table for sample 6 : Precapture Lib 7*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	128	116.18	1,380.2	
3	271	3,335.89	18,651.0	
4	385	37.81	148.8	
5	402	23.38	88.1	
6	429	11.81	41.8	
7	10,380	75.00	10.9	Upper Marker

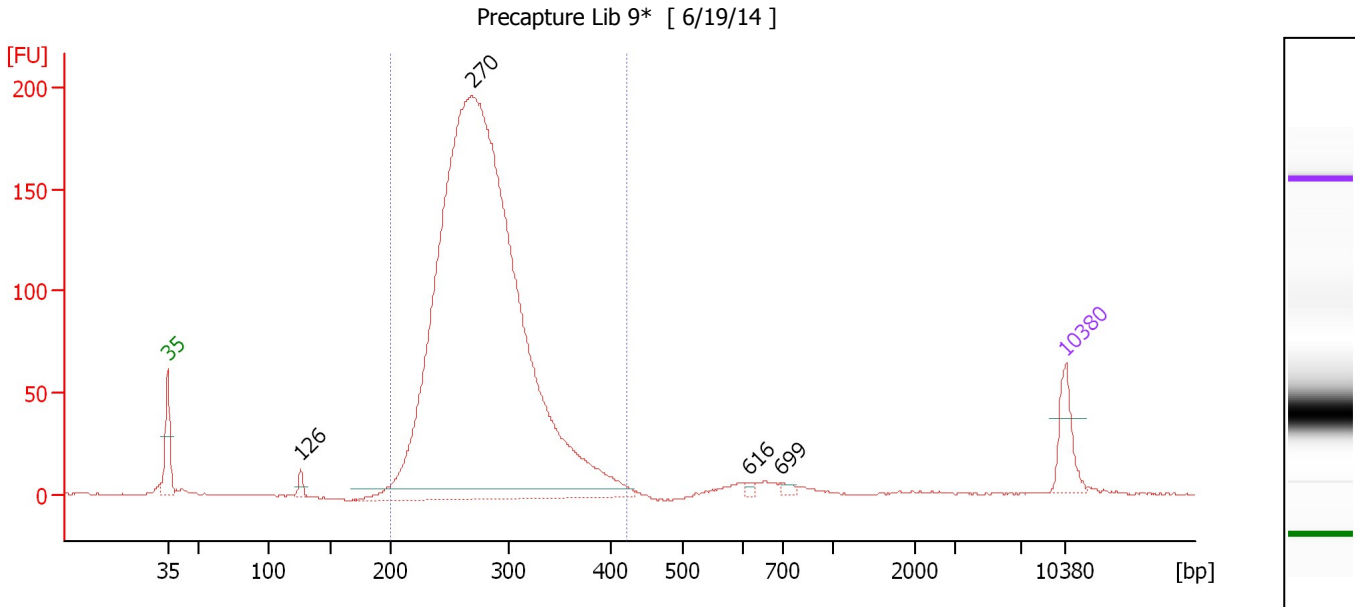
Region table for sample 6 : Precapture Lib 7*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	369	277	17,548.5	3,172.67	1,352.2	92	11.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Precapture Lib 9*

Number of peaks found: 4 Corr. Area 1: 2,120.5
 Noise: 0.2

Peak table for sample 7 : Precapture Lib 9*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	24.04	288.8	
3	270	4,216.30	23,690.6	
4	616	7.53	18.5	
5	699	11.48	24.9	
6	10,380	75.00	10.9	Upper Marker

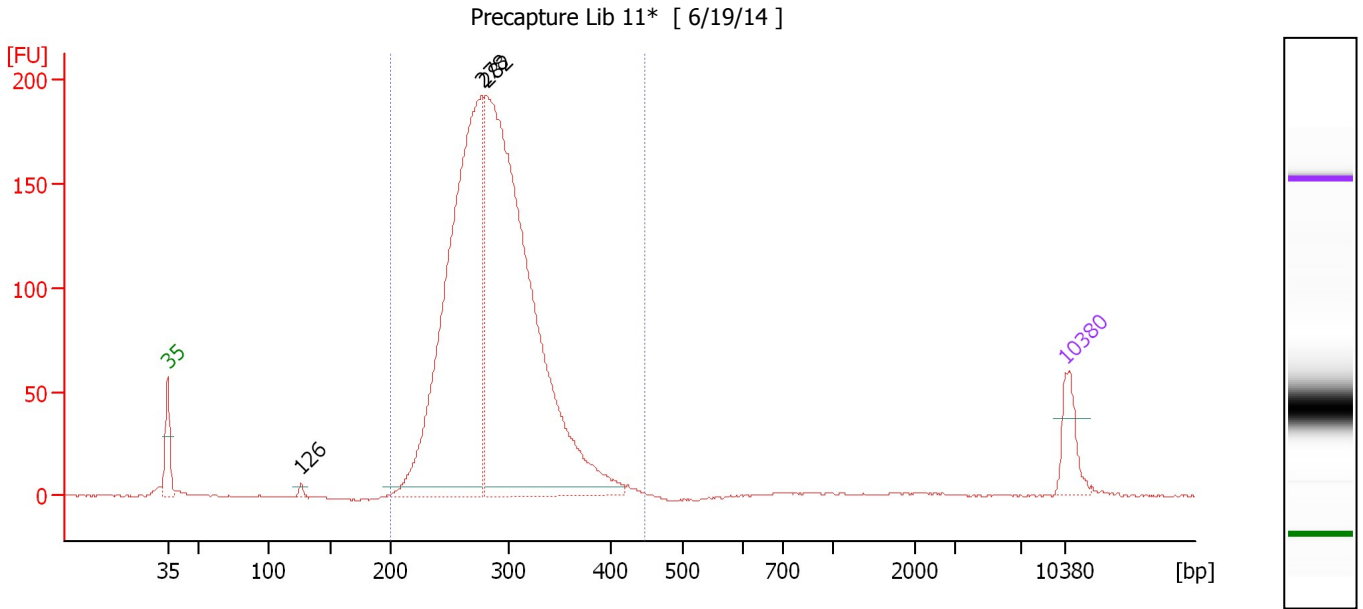
Region table for sample 7 : Precapture Lib 9*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	423	280	21,803.6	3,972.34	2,120.5	97	13.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Precapture Lib 11*

Number of peaks found: 3 Corr. Area 1: 2,080.2
 Noise: 0.4

Peak table for sample 8 : Precapture Lib 11*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	11.98	143.7	
3	278	1,682.23	9,177.1	
4	282	2,239.25	12,050.1	
5	10,380	75.00	10.9	Upper Marker

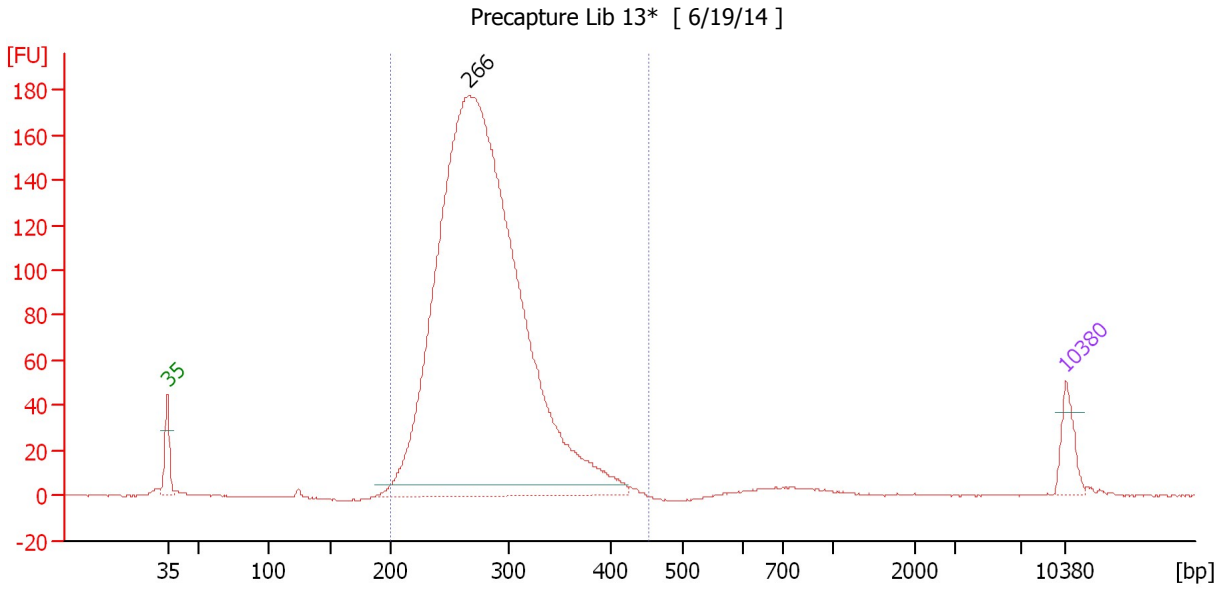
Region table for sample 8 : Precapture Lib 11*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	448	289	20,520.2	3,859.88	2,080.2	99	12.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Precapture Lib 13*

Number of peaks found: 1 Corr. Area 1: 1,932.8
 Noise: 0.3

Peak table for sample 9 : Precapture Lib 13*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	5,004.77	28,476.6	
3	10,380	75.00	10.9	Upper Marker

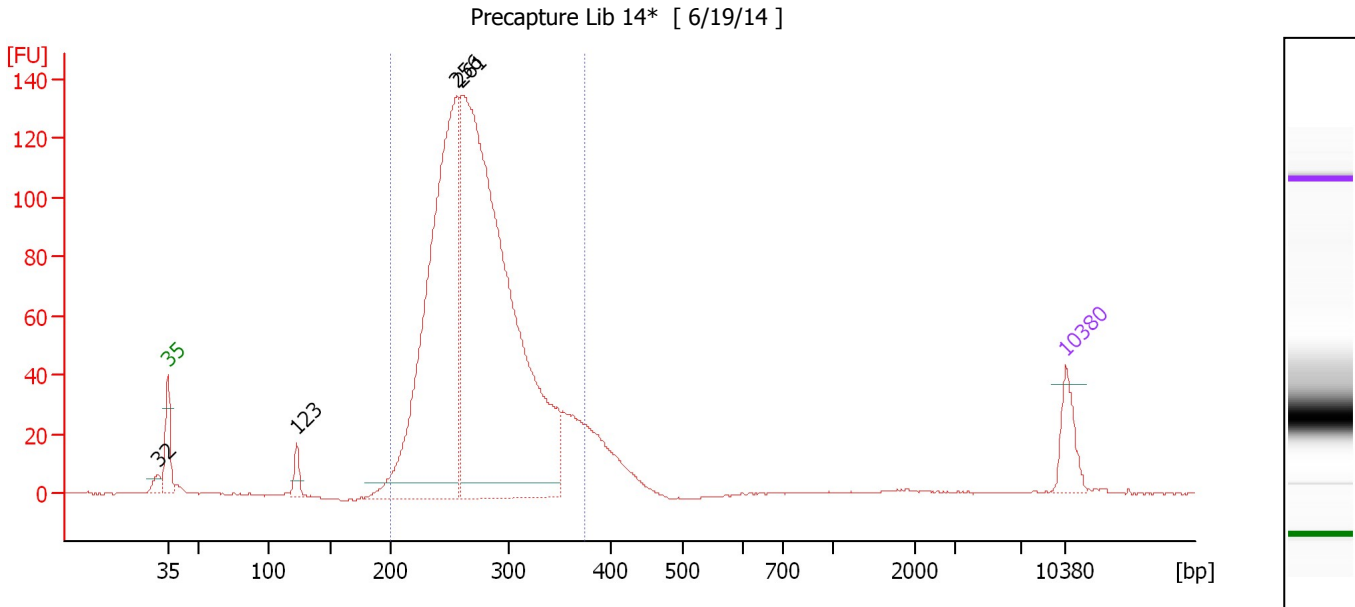
Region table for sample 9 : Precapture Lib 13*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	453	281	26,425.5	4,821.69	1,932.8	98	13.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Precapture Lib 14*

Number of peaks found: 4 Corr. Area 1: 1,449.2
 Noise: 0.3

Peak table for sample 10 : Precapture Lib 14*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	123	48.70	602.2	
4	256	1,579.39	9,337.7	
5	261	2,556.68	14,857.5	
6	10,380	75.00	10.9	Upper Marker

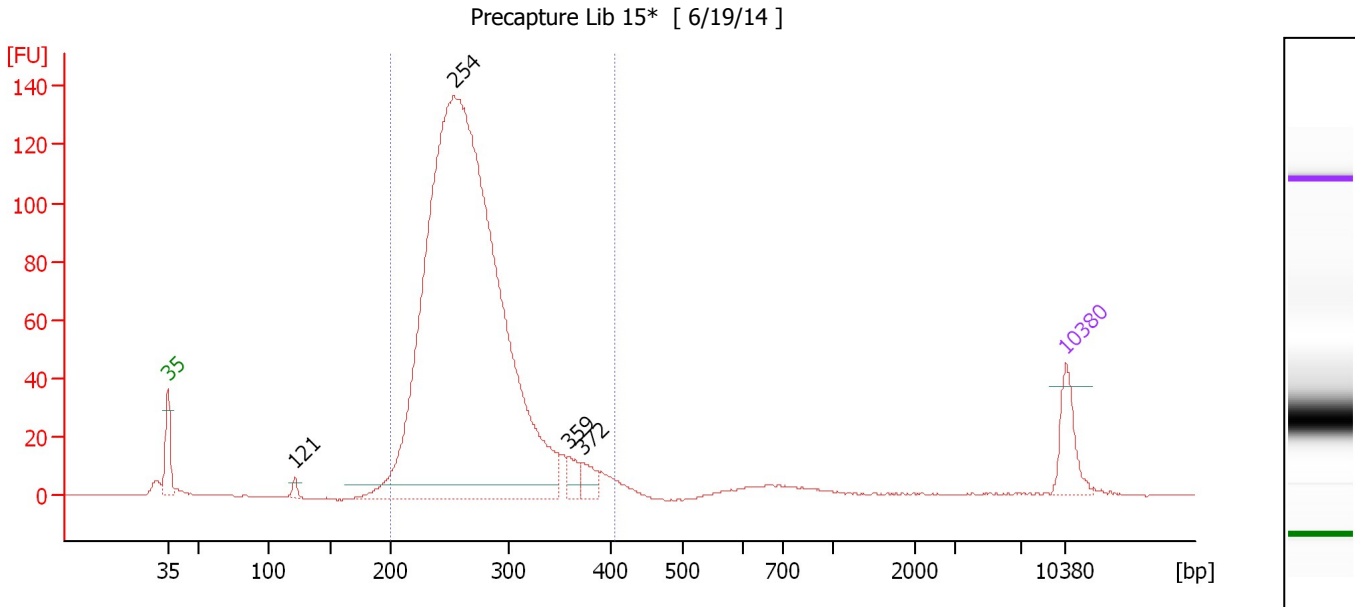
Region table for sample 10 : Precapture Lib 14*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	376	276	22,955.2	4,112.80	1,449.2	93	13.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
 Modified: 6/20/2014 11:12:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Precapture Lib 15*

Number of peaks found: 4 Corr. Area 1: 1,366.1
 Noise: 0.2

Peak table for sample 11 : Precapture Lib 15*

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	17.07	213.9	
3	254	3,564.32	21,246.9	
4	359	39.34	165.8	
5	372	43.23	175.9	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : Precapture Lib 15*

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	407	270	19,907.4	3,491.81	1,366.1	97	13.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-20\2014-06-20_001.xad

Created: 6/20/2014 9:59:12 AM
Modified: 6/20/2014 11:12:03 AM

Gel Image

